

TM 70 CONSOLE BOX

RADIO CONTROL BY 



170 Thorn Hill Rd. • Warrendale, PA 15086
Tel: 724-741-9000 • Fax: 724-741-9001
www.cervisinc.com

Lifting Control designed for Industrial Cranes

Precise, Ergonomic Fingertip Control

TRANSMITTERS & RECEIVERS

R70/21 R70/29



TM70/9



TM70/3



TM70/10



TM70/7

ENGINEERED FOR THE MOST DEMANDING APPLICATIONS

- Universal Transmitters – Lower cost of ownership
- E-prom programming – Easily Spares Like Transmitters
- Very lightweight (~3.5lbs) – Highly durable sealed transmitters
- System meets EU Directives 98/3 & 99/5 CATEGORY 3 SAFETY
- Flexibility in Control – Available in Detent Joysticks & Levers or Stepless Levers
- Certified Approvals meet or exceed FCC, UL, CE, CSA, & IC, standards
- DUAL BAND Radio design – FCC Part 15 or Part 90 programmable frequency options

TM70 Transmitters

TM70/3 & 4 - Up to 3 Dual Joysticks

TM70/7 & 8 - Up to 7 Stepless Levers

TM70/9 & 10 - Up to 5 Detent Levers

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TM70/3 & /4

- 2 Dual Joysticks /3 option
- 3 Dual Joysticks /4 option
- Single axis, "+" or "Open" Gates
- Optional "Deadman" enable button
- Adjustable for steps 2-5 or stepless
- Customizable with levers TM70/7
- Protective Boot



TM70/7 & /8

- 5 - Levers /7 option (No Detents)
- 7 - Levers /8 option (No Detents)
- Proportional 128 step resolution
- 2 through 5 speeds all models
- Combine with Joystick & Detent
- Optional "Boot" for Harsh environments



TM70/9 & /10

- 4-Lever with Detent feel /9 option
- 5-Lever with Detent feel /10 option
- "Old School" feel for HD 250 VDC
- 40% lighter than the competition
- 5 speed sequential control
- 5 speed analog control
- Custom transmitter layouts available

TECHNICAL SPECIFICATIONS

| | | | |
|--|---|--|--|
| TRANSMITTERS Ingress Protections - Weight with battery Temperature Retension Power Volts Capacity Battery Life | IP65 / Nema 4 Less than 3.5 lb -4 - 158 F Safety strap harness or belt Battery BT24ik 4.8V 2400 mahr NiMH 12 - 18 hr (50% duty cycle) | SAFETY Category 3 RF Type Operator Vigilance Self Test Diagnostics Standards | EN-954-1 or EN 13849 Safety Standards "GMSK" Modulation 4 minute inactivity shuts down RF commands. Checks switch status at each startup CSA, CE & ANSI / UL |
| STANDARD RECEIVER Ingress Protection Size Power Consumption Relays/Control Relays/CAT3 STOP Termination Electrical Safety | IP65 / Nema4 11.24"W x 8.03" T x 4.25" D 48, 115 & 230 VAC +- 10% 50/60 hz 20W 21, 29 or 37 outputs @ 230VAC/8A res ACI 2-contacts @ 230 VAC / 6A res ACI Pre-wired Multiconductor PVC UL1007 Class II (En50178) | APPROVALS FCC Frequency Standard Machine Control | Part 15 & Part 90 Operation 450 MHZ & 900 MHZ EN-954 EU Directives 99/5, 98/3 |
| | | PERFORMANCE Specification FCC Part 15, License Free Response Time | Meets CMAA / ECMA Spec 15 Standards Automated Frequency Congestion Avoidance 100ms (Continuous updates) "Supervised" Link |
| | | BATTERY CHARGER Power Temp | 115 VAC +- 10% @ 60 hz & 11-35 VDC -45 - 125F |

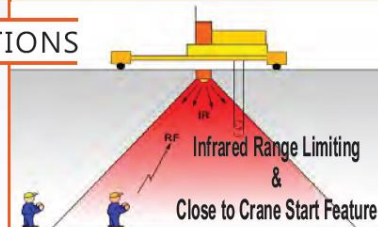


Padded Ergonomic Shoulder Harness

Pre-Wired HORN



OPTIONS



Additional Options

- PRE-WIRED TRANSFER SWITCH
- EXTERNAL ANTENNA KITS
- CUSTOM FIXED CONSOLES
- CAN BUS; CAN-OPEN & J-1939
- MULTI RECEIVER APPLICATION
- CRANE TO CRANE LINKS
- TANDEM APPLICATIONS